**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) An electronic device comprising:

a user input device configured to receive input from at least one user;

a user device processing unit configured to perform functions of the electronic device;

a user interaction pattern monitoring device configured to calculate predictability factors based on monitoring user interaction patterns of the user, monitoring device parameter settings, and correlating user interaction patterns with device parameter settings;

an associated memory configured to store user interaction patterns, device parameter state, correlation information and predictability factors;

a cognitive logic device configured to:

analyze the user interaction patterns, parameter state, and correlation information and configured to determine adjustments to the user device processing unit corresponding to a particular user

input, wherein the adjustments are based on the calculated predictability factors for a single user; and

categorize the user interaction patterns into either common interaction patterns or style interaction patterns, adjust the electronic device based on the common interaction patterns, and selectively adjust the electronic device based on the style interaction patterns in response to a current user interaction style when there are multiple users; and

a user device processing unit controller configured to dynamically adjust the user device processing unit in response to receipt of the user input in accordance with the determined adjustments when the predictability factors reach a predetermined level.

2. (Currently Amended) The electronic device of claim 1 wherein the determined adjustments include adjustments ~~changes~~ to parameters, configurations and states of the user device processing unit.

3. (Currently Amended) The electronic device of claim 1 wherein the cognitive logic device is configured to create[[s]] dynamic rules based on a

continuous analysis of user interaction patterns, parameter state, correlation information and predictability factors.

4. (Currently Amended) The electronic device of claim 3 wherein the user device processing unit controller is configured to selectively turn[[s]] off rules in response to user interaction through the user input device.

5. (Canceled)

6. (Currently Amended) A wireless transmit/receive unit (WTRU) comprising:

a user input device configured to receive input from at least one user;

a user device processing unit configured to perform functions of the WTRU;

a user interaction pattern monitoring device configured to calculate predictability factors based on monitoring user interaction patterns of the user, monitoring device parameter settings, and correlating user interaction patterns with device parameter settings;

an associated memory configured to store user interaction patterns, device parameter state, correlation information and predictability factors;

a cognitive logic device configured to:

analyze the user interaction patterns, parameter state, and correlation information and configured to determine adjustments to the user device processing unit corresponding to particular user input, wherein the adjustments are determined based on the calculated predictability factors for a single user; and

categorize the user interaction patterns into either common interaction patterns or style interaction patterns, adjust the electronic device based on the common interaction patterns, and selectively adjust the electronic device based on the style interaction patterns in response to a current user interaction style when there are multiple users; and

a user device processing unit controller configured to dynamically adjust the user device processing unit in response to receipt of the user input in accordance with the determined adjustments when the predictability factors reach a predetermined level.

7. (Original) The WTRU of claim 6 wherein the processing unit comprises a digital signal processor (DSP) and a reduced instruction set (RISC) processor.

8. (Currently Amended) The WTRU of claim 6 wherein the determined adjustments include adjustments ~~changes~~ to parameters, configurations and states of the processing unit.

9. (Currently Amended) The WTRU of claim 6 wherein the cognitive logic device is configured to create[[s]] dynamic rules based on a continuous analysis of user interaction pattern, parameter state, correlation information and predictability factors.

10. (Currently Amended) The WTRU of claim 6 wherein the user device processing unit controller is configured to selectively turn[[s]] off rules in response to user interaction through the user input device.

11. (Canceled)

12. (Currently Amended) An integrated circuit comprising:

an input configured to receive input from at least one user;

a processing unit, coupled to the input, configured to perform functions of an electronic device;

a user interaction pattern monitoring device, coupled to the processing unit, configured to calculate predictability factors based on monitoring user interaction patterns of the user, monitoring device parameter settings, and correlating user interaction patterns with device parameter settings;

an associated memory configured to store user interaction patterns, device parameter state, correlation information and predictability factors;

a cognitive logic device, coupled to the associated memory, configured to:

analyze the user interaction pattern, parameter state, and correlation information and configured to determine adjustments to the processing unit corresponding to particular user interaction input, wherein said adjustments are determined based on the calculated predictability factors for a single user; and

categorize the user interaction patterns into either common interaction patterns or style interaction patterns, adjust the electronic device based on the common interaction patterns, and selectively adjust the electronic device based on the style interaction patterns in response to a current user interaction style when there are multiple users; and

a processing unit controller, coupled to the cognitive logic device and processing unit, configured to dynamically adjust the processing unit in

response to receipt of the particular user input in accordance with the determined adjustments when the predictability factors reach a predetermined level.

13. (Currently Amended) ~~In a user cognitive device, a~~ A method of optimizing [[a]] user inputs in a user cognitive device, the method comprising:

receiving user inputs at an electronic device indicating interactions of at least one user with processing of the electronic device;

monitoring user interaction patterns of the user, monitoring device parameter settings, and correlating use patterns with device parameter settings;

analyzing user interaction patterns, parameter state, and correlation information for a single user;

categorizing the user interaction patterns into either common interaction patterns or style interaction patterns when there are multiple users;

calculating predictability factors;

determining adjustments for the electronic device corresponding to the particular user input, wherein said adjustments are determined based on the calculated predictability factors; ~~and~~

adjusting the electronic device in response to particular user input in accordance with the determined adjustments when the predictability factors reach a predetermined level[[.]]; and

adjusting the electronic device based on the common interaction patterns, and selectively adjust the electronic device based on the style interaction patterns in response to a current user interaction style.

14. (Currently Amended) The method of claim 13 wherein the determined adjustments include adjustments ~~changes~~ to parameters, configurations and states of a processing unit.

15. (Currently Amended) The method of claim 13 wherein the determining adjustments uses a cognitive model that is configured to create[[s]] dynamic rules based on a continuous analysis of user interaction patterns, parameter state, and correlation information.

16. (Currently Amended) The method of claim 15 ~~further comprising~~ wherein the cognitive model is configured to selectively turn[[ing]] off rules in response to user interaction through the user input device.

17. (Canceled)

18. (Currently Amended) ~~In a user cognitive device, a~~ A method of optimizing user inputs in a user cognitive device, the method comprising:

receiving user inputs from a plurality of users at the electronic device indicating interactions of the users with processing of the electronic device;

determining interaction patterns of the users with the electronic device;

calculating predictability factors;

categorizing the determined interaction patterns as either common interaction patterns or style interaction patterns;

determining adjustments based on the determined interaction patterns and the calculated predictability factors;

categorizing the determined adjustments as either common adjustments or style adjustments; and

adjusting the electronic device using the common adjustments and selectively applying the style adjustments in response to a current user interaction style.